

HS 267D Session 1

1. Logistics

- a. **Syllabus** (Highlights only): Course organization (page 2); Rules for independent work (page 2); the calendar and all its links
- b. **Learning schedule.** I've thought how we must address the difficult task that lies ahead. One conclusion: this is going to take discipline. Each student should create a daily study schedule and should then stick to it. Here is *one* model:
 - i. Monday: Text [2 hrs]
 - ii. Tuesday: Elluminate [2]
 - iii. Wed: Commence lab [2]
 - iv. Th: Complete Lab [2]
 - v. Fr: HW Assignment [2]
 - vi. Sa: Office hours + complete assignment [2]
 - vii. Su: Off
- c. **Lab 0** (materials)

2. Biostat Tutorial

- a. General goal \Rightarrow taking off point
- b. Specific objectives:
 - i. Install SPSS software, work out bugs, basic use
 - ii. Descriptive statistics for quantitative outcome (mean, median, standard deviation, quartiles)
 - iii. Introduce binomial and Normal probability distributions with bridge to Normal *sampling* distribution of mean
 - iv. Introduce inference (confidence intervals and hypothesis tests)
- c. Will grade and comment this week

3. Ch 16: Inference About a Proportion

- a. Lecture
- b. Lab 1 – explore ideas; essential! discuss online; but do not hand it;
- c. Review exercises: definitions, notation, and basic concepts— optional
- d. Exercises: 16.12 – 16.17
- e. Math self-test (diagnostic, does not count toward grade).
- f. Ch 16 quiz. DURING THE ELUMINATE SESSION THE CLASS DECIDED THEY DID NOT WANT THE QUIZ TO COUNT.